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Multiple Imputation for Missing Network Data

Krause, Robert

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Propositions

accompanying the dissertation

Multiple Imputation for Missing Network Data

by

Robert Krause

1. Missing network data have more severe consequences for data analyses than missing non-network data.
2. Complete actor non-response cannot be salvaged in regular survey data. In network data, it can.
3. Complex imputation models for network data beat simple models most of the time.
4. For model convergence and inference, model misspecifications are more problematic than missing data.
5. Finding the right network model specification is a matter of experience. This experience is often gained by failing to find the right model specification.
6. A missing data treatment is incomplete without a sensitivity analysis.
7. Before investing in missing data treatment, invest in missing data prevention.
8. Good science is achieved with three components: solid theory, valid data, and appropriate analysis. If any one part is faulty, the whole product is in danger.
9. Being able to ask for help is more important than being able to solve the problem on your own.
10. It's still magic even if you know how it's done.

- Terry Pratchett

11. NA